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What is claimed is:

- 1. (Currently amended) An automatic transmission comprising:
- a planetary gear unit coupled $\underline{\omega}$ a transmission mechanism, wherein a drive train pathway of the automatic transmission includes the transmission mechanism and the planetary gear unit; and
- a plurality of engagement elements that engage to couple planetary gear elements of the planetary gear unit, wherein the plurality of engagement elements are selectively engaged to provide each of a set of selectable gears, wherein the set of selectable gears includes:
 - a low-speed forward gear,
 - a high-speed forward gear, and
 - a reverse gear.
- (Original) The automatic transmission of claim 1, wherein the transmission mechanism is a continuously variable transmission mechanism.
 - (Original) The automatic transmission of claim 1, further comprising: a transmission casing;
 - a first damper in the drive train pathway; and
- a second damper coupled to an engagement element of the set of engagement elements that couples interspaces between rotatory elements of the planetary gear elements and the transmission casing.
- (Original) The automatic transmission of claim 1, further comprising an input shaft,
- wherein the planetary gear unit is a single pinion planetary gear unit including a sun gear, a pinion carrier, and a ring gear as rotatory elements,

wherein the sun gear is coupled to the input shaft.

 (Currently amended) The automatic transmission of claim 4, further comprising: Application Serial No. 10/574,155 Date: September 25, 2008 Response to Office Action dated August 28, 2008

a transmission casing; and

an output shaft,

wherein the plurality of engagement elements includes a reverse brake, a forward clutch, a low brake and a high/forward clutch,

wherein the pinion carrier may be is selectively coupled to the transmission casing by engaging the reverse brake, and may be is selectively coupled to the output shaft by engaging the forward clutch,

wherein the ring gear $\frac{may}{be}$ is selectively coupled to the transmission casing by engaging the low brake, and $\frac{may}{be}$ is selectively coupled to the output shaft by engaging the high/reverse clutch.

(Original) The automatic transmission of claim 5,

wherein the low-speed forward gear is selected by engaging both the low brake and the forward clutch.

wherein the high-speed forward gear is selected by engaging both the high/reverse clutch and the forward clutch, and

wherein the reverse gear is selected by engaging both the high/reverse clutch and the reverse brake.

(Original) The automatic transmission of claim 5,

wherein the single pinion planetary gear unit and the reverse brake are positioned on a first common axis,

wherein the low brake, the high/reverse clutch, and the forward clutch are positioned on a second common axis adjacent to the first common axis.

- (Original) The automatic transmission of claim 7, wherein the second common axis is parallel to the first common axis.
- (Original) The automatic transmission of claim 5, wherein the reverse brake includes a band-braking system.

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 (Withdrawn) The automatic transmission of claim 1, further comprising an output shaft.

wherein the planetary gear unit is a single pinion planetary gear unit including a sun gear, a pinion carrier, and a ring gear as rotatory elements,

wherein the ring gear is coupled to the output shaft.

(Withdrawn-currently amended) The automatic transmission of claim
 further comprising a transmission casing.

wherein the plurality of engagement elements includes a reverse brake, a high/reverse clutch, a low brake and a forward clutch,

wherein the sun gear $\frac{\text{may be } \underline{i}s}{\text{s}}$ selectively coupled to the transmission casing by engaging the low brake, and $\frac{\text{may be } \underline{i}s}{\text{s}}$ selectively coupled to the output shaft by engaging the high/reverse clutch,

wherein the pinion carrier may be is selectively coupled the transmission casing by engaging the reverse brake, and at may be is selectively coupled to the output shaft by engaging the forward clutch.

(Withdrawn) The automatic transmission of claim 11,

wherein the low-speed forward gear is selected by engaging both the low brake and the forward clutch,

wherein the high-speed forward gear is selected by engaging both the high/reverse clutch and the forward clutch, and

wherein the reverse gear is selected by engaging both the high/reverse clutch and the reverse brake.

13. (Withdrawn-currently amended) The transmission of claim 10, further comprising:

a transmission casing; and

a input shaft,

wherein the plurality of engagement elements includes a high brake, a low/reverse clutch, a reverse brake and a forward clutch.

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wherein the sun gear may be is selectively coupled to the transmission casing by engaging the high brake, and may be is selectively coupled to the input shaft by engaging the low/reverse clutch.

wherein the pinion carrier may be is selectively coupled to the transmission casing by engaging the reverse brake, and may be is selectively coupled to the input shaft by engaging the forward clutch.

14. (Withdrawn) The automatic transmission of claim 13,

wherein the low-speed forward gear is selected by engaging both the low/reverse clutch and the forward clutch.

wherein the high-speed forward gear is selected by engaging both the high brake and the forward clutch, and

wherein the reverse gear is selected by engaging both the low/reverse clutch and the reverse brake.

15 (Withdrawn-currently amended) The automatic transmission of claim 1, further comprising:

a transmission casing;

an input shaft; and

an output shaft,

wherein the planetary gear unit is a double pinion planetary gear unit including a sun gear, a pinion carrier, and a ring gear as rotatory elements,

wherein the sun gear is coupled to the input shaft,

wherein the plurality of engagement elements includes a low brake, a high/reverse clutch, a reverse brake and a forward clutch,

wherein the pinion carrier may be is selectively coupled to the transmission casing by engaging the reverse brake, and may be is selectively coupled to the output shaft by engaging the forward clutch,

wherein the ring gear may be is selectively coupled to the transmission casing by engaging the low brake, and may be is selectively coupled to the output shaft engaging the high/reverse clutch.

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wherein the low-speed forward gear is selected by engaging both the low brake and the forward clutch.

wherein the high-speed forward gear is selected by engaging both the high/reverse clutch and the forward clutch, and

wherein the reverse gear is selected by engaging both the high/reverse clutch and the reverse brake.

16. (Withdrawn) The automatic transmission of claim 15,

wherein the double pinion planetary gear unit and the reverse brake are positioned on a first common axis,

wherein the low brake, the high/reverse clutch, and the forward clutch are positioned on a second common axis adjacent to the first common axis.

- (Withdrawn) The automatic transmission of claim 16, wherein the reverse brake includes a band-braking system.
- (Withdrawn-currently amended) The automatic transmission of claim
 further comprising a set of pinion shafts to axially support a corresponding set of pinion gears,

wherein the pinion carrier is a first pinion carrier, further comprising a second pinion carrier,

wherein the first pinion carrier and the second pinion carrier support support opposite ends of the set of pinion shafts.

- (Withdrawn-currently amended) The automatic transmission of claim
 further comprising:
 - a transmission casing;
 - an input shaft; and
 - an output shaft,
 - wherein the planetary gear unit includes:
 - a front sun gear,

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- a rear sun gear,
- a common pinion carrier which supports a short pinion and a long pinion, and
- a Ravigneaux planetary gear unit with a rear ring gear as a rotatory element,
- wherein the rear ring gear is coupled to the output shaft,
- wherein the plurality of frictional engagement elements includes a first clutch, a second clutch, and a third brake,
- wherein the front sun gear may be is selectively coupled to the input shaft by engaging the second clutch,
- wherein the rear sun gear may be is selectively coupled to the input shaft by engaging the first clutch,
- wherein the common pinion carrier may be is selectively coupled to the transmission casing by engaging the third brake.
- wherein the low-speed forward gear is selected by engaging both the first clutch the third brake.
- wherein the high-speed forward gear is selected by engaging both the first clutch and the second clutch, and
- wherein the reverse gear is selected by engaging both the second clutch and the third brake.
- 20 (Withdrawn-currently amended) The automatic transmission of claim 1, further comprising:
 - a transmission casing;
 - an input shaft; and
 - an output shaft,
 - wherein the planetary gear unit includes:
 - a front sun gear,
 - a rear sun gear,
 - a common pinion carrier which supports a short pinion and a long pinion,
 - a Ravigneaux planetary gear unit with a rear ring gear as a rotatory element,
 - wherein the rear sun gear is coupled to the input shaft,
 - wherein the common pinion carrier is couple to output shaft,

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wherein the plurality of frictional engagement elements includes a first brake, a second brake, and a first clutch,

wherein the front sun gear may be is selectively coupled to the input shaft by engaging the first clutch, and may be is selectively coupled to the transmission casing by engaging the first brake,

wherein the rear sun gear $\frac{1}{1}$ selectively coupled to the transmission casing by engaging the second brake,

wherein the low-speed forward gear is selected by engaging both the first brake,

wherein the high-speed forward gear is selected by engaging the first clutch, and

wherein the reverse gear is selected by engaging both the second brake.